#### IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A method of classifying a digital image, said method comprising the steps of:

segmenting the digital image into a plurality of substantially homogeneous regions;

processing the plurality of regions to provide a region adjacency graph for the digital image, the region adjacency graph representing spatial adjacency between the plurality of regions of the digital image;

labeling at least one of the regions of the region adjacency graph with one of a plurality of predetermined semantic labels to provide a labeled region adjacency graph;

providing a set of plural predetermined patterns of semantic labels, wherein each predetermined pattern of semantic labels corresponds to one of plural stereotypes each representing a different classification of a digital image;

analyzing the labeled region adjacency graph to identify one or more of the plural predetermined patterns of the semantic labels in the labeled region adjacency graph;

assigning corresponding one of the plural stereotypes to the digital image in accordance with which of the plural predetermined patters were identified in said analyzing step, one of a plurality of predetermined stereotypes to the labeled region adjacency graph according to at least one identified predetermined pattern of the semantic labels in the labeled region adjacency graph, each of the predetermined stereotypes corresponding to at

least one of the predetermined patterns such that the assigned stereotype describes the plurality of regions of the digital image and represents a classification of the digital image; and

storing the assigned <u>stereotypes</u> stereotype and the digital image in one or more databases of digital images, wherein the digital image is retrievable from the one or more databases using <u>a search for</u> the assigned stereotype.

- 3. (Previously Presented) The method according to claim 1, wherein identification of the predetermined pattern is based on a size of one or more regions of the digital image.
- 4. (Previously Presented) The method according to claim 1, wherein identification of the predetermined pattern is based on an adjacency of the regions.
- 5. (Previously Presented) The method according to claim 1, wherein identification of the predetermined pattern is based on semantic label content of the region adjacency graph.

- 6. (Previously Presented) The method according to claim 1, wherein identification of the predetermined pattern is based on a mean color of one or more regions of the digital image.
- 7 (Previously Presented) The method according to claim 1, wherein the plurality of stereotypes are stored in an association lookup table.
- 8. (Previously Presented) The method according to claim 1, wherein the stereotypes are represented in a hierarchal arrangement.
- 9. (Previously Presented) The method according to claim 1, wherein each of the stereotypes has a hierarchical path.
- 10. (Previously Presented) The method according to claim 1, wherein the region adjacency graph is provided by analyzing contextual data associated with one or more regions of the digital image.
- 11. (Previously Presented) The method according to claim 10, wherein the contextual data comprises information generated by one or more separate sources of the information.

- 12. (Previously Presented) The method according to claim 11, wherein a corresponding portion of the contextual data is obtained from a temporal region of interest for each source of the information.
- 13. (Previously Presented) The method according to claim 1, further comprising the step of providing metadata associated with the digital image, wherein the metadata includes the stereotypes of the digital image.
- 14. (Previously Presented) The method according to claim 13, wherein the metadata includes a hierarchical path associated with the respective stereotype of each digital image.
- 15. (Previously Presented) The method according to claim 14, wherein the hierarchical path is stored with a respective stereotype as a metadata object which is associated with a respective image object.
- 16. (Previously Presented) The method according to claim 14, wherein the hierarchical path is stored as a referenced lookup table.
  - 17. (Cancelled)

18. (Currently Amended) An apparatus for classifying a digital image, said apparatus comprising:

segmenting means for segmenting the digital image into a plurality of substantially homogeneous regions;

processing means for processing the plurality of regions to provide a region adjacency graph for the digital image, the region adjacency graph representing spatial adjacencies between the plurality of regions of the digital image;

labeling means for labeling at least one of the regions of the region adjacency graph with one of a plurality of predetermined semantic labels to provide a labeled region adjacency graph;

pattern storage means for storing a set of plural predetermined patterns of semantic labels, wherein each predetermined pattern of semantic labels corresponds to one of plural stereotypes each representing a different classification of a digital image;

analyzing means for analyzing the labeled region adjacency graph to identify one or more of the plural predetermined patterns of the semantic labels in the labeled region adjacency graph;

assigning means for assigning corresponding ones of the plural stereotypes
to the digital image in accordance with which of the plural predetermined patters were
identified in said analyzing step, one of a plurality of predetermined stereotypes to the
labeled region adjacency graph according to at least one identified predetermined pattern of
the semantic labels in the labeled region adjacency graph, each of the predetermined
stereotypes corresponding to at least one of the predetermined patterns such that the

assigned stereotype describes the plurality of regions of the digital image and represents a classification of the digital image; and

storage means for storing the assigned stereotype stereotypes and the digital image in one or more databases of digital images, wherein the digital image is retrievable from the one or more databases using a search for the assigned stereotypes.

- 20. (Previously Presented) The apparatus according to claim 18, wherein identification of the predetermined pattern is based on a size of one or more regions of the digital image.
- 21. (Previously Presented) The apparatus according to claim 18, wherein identification of the predetermined pattern is based on an adjacency of the regions.
- 22. (Previously Presented) The apparatus according to claim 18, wherein identification of the predetermined pattern is based on semantic label content of the region adjacency graph.
- 23. (Previously Presented) The apparatus according to claim 18, wherein identification of the predetermined pattern is based on a mean color of one or more regions of the digital image.

- 24. (Previously Presented) The apparatus according to claim 18, wherein the plurality of stereotypes are stored in an association lookup table.
- 25. (Previously Presented) The apparatus according to claim 18, wherein the stereotypes are represented in a hierarchal arrangement.
- 26. (Currently Amended) The apparatus according to claim 18, wherein each of the stereotypes has a hierarchical path.
- 27. (Previously Presented) The apparatus according to claim 18, wherein the region adjacency graph is provided by analyzing contextual data associated with one or more regions of the digital image.
- 28. (Previously Presented) The apparatus according to claim 27, wherein the contextual data comprises information generated by one or more separate sources of the information.
- 29. (Previously Presented) The apparatus according to claim 28, wherein a corresponding portion of the contextual data is obtained from a temporal region of interest for each source of the information.

- 30. (Previously Presented) The apparatus according to claim 18, further comprising metadata providing means for providing metadata associated with each digital image, wherein the metadata includes the stereotypes of each digital image.
- 31. (Previously Presented) The apparatus according to claim 30, wherein the metadata includes a hierarchical path associated with the respective stereotypes of each digital image.
- 32. (Previously Presented) The apparatus according to claim 31, wherein the hierarchical path is stored with a respective stereotype as a metadata object which is associated with a respective image-object.
- 33. (Previously Presented) The apparatus according to claim 31, wherein the hierarchical path is stored as a referenced lookup table.
  - 34. (Cancelled)
- 35. (Currently Amended) A computer program product comprising a computer readable medium having a computer program recorded for classifying a digital image, said computer program product comprising:
- a segmenting module, for segmenting the digital image into a plurality of substantially homogeneous regions;

a processing module, for processing the plurality of regions to provide a region adjacency graph for the digital image, the region adjacency graph representing spatial adjacency between the plurality of regions of the digital image;

a labeling module, for labeling at least one of the regions of the region adjacency graph with one of a plurality of predetermined semantic labels to provide a labeled region adjacency graph;

a pattern storage module for storing a set of plural predetermined patterns of semantic labels, wherein each predetermined pattern of semantic labels corresponds to one of plural stereotypes each representing a different classification of a digital image;

an analyzing module, for analyzing the labeled region adjacency graph to identify one or more <u>of the plural</u> predetermined patterns of <del>the</del> semantic labels in the labeled region adjacency graph;

an assigning module, for assigning corresponding ones of the plural stereotypes to the digital image in accordance with which of the plural predetermined patterns were identified in said analyzing step, one of a plurality of predetermined stereotypes to the labeled region adjacency graph according to at least one identified predetermined pattern of the semantic labels in the labeled region adjacency graph, each of the predetermined stereotypes corresponding to at least one of the predetermined patterns such that the assigned stereotype describes the plurality of regions of the digital image and represents a classification of the digital image; and

a storage module, for storing the assigned stereotype stereotypes and the digital image in one or more databases of digital images, wherein the digital image is retrievable from the one or more databases using a search for the assigned stereotype.

- 37. (Previously Presented) The computer program product according to claim 35, wherein identification of the predetermined pattern is based on a size of one or more regions of the digital image.
- 38. (Previously Presented) The computer program product according to claim 35, wherein identification of the predetermined pattern is based on an adjacency of the regions.
- 39. (Previously Presented) The computer program product according to claim 35, wherein identification of the predetermined pattern is based on semantic label content of the region adjacency graph.
- 40. (Previously Presented) The computer program product according to claim 35, wherein identification of the predetermined pattern is based on a mean color of one or more regions of the digital image.

- 41. (Previously Presented) The computer program product according to claim 35, wherein the plurality of stereotypes are stored in an association lookup table.
- 42. (Previously Presented) The computer program product according to claim 35, wherein the stereotypes are represented in a hierarchal arrangement.
- 43. (Previously Presented) The computer program product according to claim 35, wherein each of the stereotypes has a hierarchical path.
- 44. (Previously Presented) The computer program product according to claim 35, wherein the region adjacency graph is provided by analyzing contextual data associated with one or more regions of the digital image.
- 45. (Previously Presented) The computer program product according to claim 44, wherein the contextual data comprises information generated by one or more separate sources of the information.
- 46. (Previously Presented) The computer program product according to claim 45, wherein a corresponding portion of the contextual data is obtained from a temporal region of interest for each source of the information.

- 47. (Previously Presented) The computer program product. according to claim 35 further comprising a metadata providing module for providing metadata associated with each digital image, wherein the metadata includes the stereotypes of each digital image.
- 48. (Previously Presented) The computer program product according to claim 47, wherein the metadata includes a hierarchical path associated with the respective stereotype of each digital image.
- 49. (Previously Presented) The computer program product according to claim 48, wherein the hierarchical path is stored with a respective stereotype as a metadata object which is associated with a respective image object.
- 50. (Previously Presented) The computer program product according to claim 48, wherein the hierarchical path is stored as a referenced lookup table.
  - 51. (Cancelled)
- 52. (Currently Amended) A method of classifying a digital image signal, said method comprising the steps of:

segmenting the digital image into a plurality of substantially homogeneous regions;

processing the plurality of regions to provide a region adjacency graph for the digital image, the region adjacency graph representing spatial adjacency between the plurality of regions of the digital image;

labeling at least one of the regions of the region adjacency graph with one of a plurality of predetermined semantic labels to provide a labeled region adjacency graph;

providing a plurality a set of plural predetermined patterns of semantic

labels, wherein stereotype classifications, each of the stereotype classifications with

corresponding to at least one predetermined pattern of semantic labels corresponds to one
of plural stereotypes each representing a different classification of a digital image, and
wherein each predetermined pattern comprises:

- (i) a set of labeled regions; or
- (ii) a set of labeled regions and corresponding adjacency information;

analyzing the labeled region adjacency graph to identify the presence of one or more of the plural patterns of labeled regions semantic labels in the labeled region adjacency graph;

for each pattern of labeled regions identified in the labeled region adjacency graph as matching at least one of the <u>a</u> predetermined <u>patterns</u>, selecting one of the <u>corresponding</u> stereotype classifications from the <u>plural plurality</u> of stereotype classifications based on the matching;

assigning the selected stereotype <u>classifications</u> to the <u>digital</u> <u>image labeled region adjacency graph</u> such that the assigned stereotype describes the plurality of regions of the digital image and represents a classification of the digital image; and

storing the one or more assigned stereotype classifications and the digital image in one or more databases of digital images, wherein the digital image is retrievable from the one or more databases using a search for the one or more assigned stereotype classifications classification.

- 54. (Previously Presented) The method according to claim 52, wherein the digital image is classified on the basis of semantic label content of the labeled region adjacency graph.
- 55. (Previously Presented) The method according to claim 52, wherein a stereotype is assigned to the digital image signal on the basis of the adjacency of a set of regions with specified labels in the labeled region adjacency graph.
- 56. (Previously Presented) The method according to claim 52, wherein a stereotype is assigned to the digital image signal on the basis of the size of one or more regions with a specified label in the labeled region adjacency graph.

- 57. (Previously Presented) The method according to claim 52, wherein a stereotype is assigned to the digital image signal on the basis of a label which represents a mean color of one or more regions in the labeled region adjacency graph.
- 58. (Previously Presented) The method according to claim 52, wherein a stereotype is assigned to the digital image signal on the basis of a label which represents a mean color texture of one or more regions in the labeled region adjacency graph.
- 59. (Previously Presented) The method according to claim 52, wherein the plurality of stereotypes are stored in an association lookup table.
- 60. (Previously Presented) The method according to claim 52, wherein the stereotypes are represented in an hierarchical arrangement.
- 61. (Previously Presented) The method according to claim 60, wherein each of the stereotypes has a hierarchical path.
- 62. (Previously Presented) The method according to claims 52, wherein each of the stereotypes is represented by one of a plurality of icons.

- 63. (Previously Presented) The method according to claims 52, wherein the digital image is retrievable from the one or more databases using a keyword representing a stereotype.
- 64. (Previously Presented) The method according to claim 52, wherein the digital image is retrievable from the one or more databases using an icon representing a stereotype.
- 65. (Previously Presented) The method according to claim 52, wherein the digital image is retrievable from the one or more databases using either a keyword or icon representing a generalization, or broader version, of a stereotype.
- 66. (Currently Amended) An apparatus for classifying a digital image signal, said apparatus comprising:

segmenting means for segmenting the digital image into a plurality of substantially homogeneous regions;

processing means for processing the plurality of regions to provide a region adjacency graph for the digital image, the region adjacency graph representing spatial adjacency between the plurality of regions of the digital image;

labeling means for labeling at least one of the regions of the region adjacency graph with one of a plurality of predetermined semantic labels to provide a labeled region adjacency graph;

pattern storage means classification providing means for providing storing a set of plural plurality of predetermined patterns of semantic labels, wherein each predetermined pattern of semantic labels corresponds to one of plural stereotypes each representing a different classification of a digital image, and stereotype classifications, each of the stereotype classifications corresponding to at least one predetermined pattern, wherein each predetermined pattern comprises:

- (i) a set of labeled regions; or
- (ii) a set of labeled regions and corresponding adjacency information;

analyzing means for analyzing the labeled region adjacency graph to identify the presence of one or more of the plural predetermined patterns of labeled regions semantic labels in the labeled region adjacency graph, wherein for each pattern of labeled regions identified in the labeled region adjacency graph as matching at least one of the a predetermined patterns pattern, said classification providing means assigns one of the predetermined stereotype classifications to the labeled region adjacency graph digital image such that the assigned stereotype describes the plurality of regions of the digital image and represents a classification of the digital image; and

storage means for storing the one or more assigned stereotype classifications and the digital image in one or more databases of digital images, wherein the digital image is retrievable from the one or more databases using a search for the one or more assigned stereotype classifications classification.

- 68. (Previously Presented) The apparatus according to claim 66, wherein a stereotype is assigned to the digital image signal on the basis of the semantic label content of one or more regions in the labeled region adjacency graph.
- 69. (Previously Presented) The apparatus according to claim 66, wherein a stereotype is assigned to the digital image signal on the basis of the adjacency of a set of regions with specified labels in the labeled region adjacency graph.
- 70. (Previously Presented) The apparatus according to claim 66, wherein a stereotype is assigned to the digital image signal on the basis of the size of one or more regions with a specified label in the labeled region adjacency graph.
- 71. (Previously Presented) The apparatus according to claim 66, wherein a stereotype is assigned to the digital image signal on the basis of a label which represents a mean color of one or more regions in the labeled region adjacency graph.
- 72. (Previously Presented) The apparatus according to claim 66, wherein a stereotype is assigned to the digital image signal on the basis of a label which represents a mean color texture of one or more regions in the labeled region adjacency graph.

- 73. (Previously Presented) The apparatus according to claim 66, wherein the plurality of stereotypes are stored in an association lookup table.
- 74. (Previously Presented) The apparatus according to claim 66, wherein the stereotypes are represented in an hierarchical arrangement.
- 75. (Previously Presented) The apparatus according to claim 74, wherein each of the stereotypes has a hierarchical path.
- 76. (Previously Presented) The apparatus according to claim 66, wherein each of the stereotypes is represented by one of a plurality of icons.
- 77. (Previously Presented) The apparatus according to claim 66, wherein the digital image is retrievable from the one or more databases using a keyword representing a stereotype.
- 78. (Previously Presented) The apparatus according to claim 66, wherein the digital image is retrievable from the one or more databases using a icon representing a stereotype.

- 79. (Previously Presented) The apparatus according to claim 66, wherein the digital image is retrievable from the one or more databases using either a keyword or icon representing a generalization, or broader version, of a stereotype.
- 80. (Currently Amended) A computer program product comprising a computer readable medium having a computer program recorded for classifying a digital image signal, said computer program product comprising:

a segmenting module, for segmenting the digital image into a plurality of substantially homogeneous regions;

a processing module, for processing the plurality of regions to provide a region adjacency graph for the digital image, the region adjacency graph representing spatial adjacency between the plurality of regions of the digital image;

labeling at least one of the regions of the region adjacency graph with at least one of a plurality of predetermined semantic labels to provide a labeled region adjacency graph;

a pattern storage classification providing module, for providing storing a set of plural plurality of predetermined patterns of semantic labels, wherein each pattern of semantic labels corresponds to one of plural stereotypes each representing a different classification of a digital image, stereotype classifications, each of the stereotype classifications corresponding to at least one predetermined pattern; wherein each predetermined pattern comprises:

(i) a set of labeled regions; or

(ii) a set of labeled regions and corresponding adjacency information;

an analyzing module, for analyzing the labeled region adjacency graph to identify the presence of one or more of the plural patterns of labeled regions semantic labels in the labeled region adjacency graph, wherein for each pattern of labeled regions identified in the labeled region adjacency graph as matching at least one of the a predetermined patterns pattern, said classification providing module assigns one of the corresponding predetermined stereotype classifications to the digital image labeled region adjacency graph such that the assigned stereotype describes the plurality of regions of the digital image and represents a classification of the digital image; and

a storage module, for storing the one or more assigned stereotype classifications and the digital image in one or more databases of digital images, wherein the digital image is retrievable from the one or more databases using a search for the one or more assigned stereotype classification.

## 81. (Cancelled)

82. (Previously Presented) The computer program product according to claim 80, wherein a stereotype is assigned to the digital image signal on the basis of the semantic label content of one or more regions in the labeled region adjacency graph.

- 83. (Previously Presented) The computer program product according to claim 80, wherein a stereotype is assigned to the digital image signal on the basis of the adjacency of a set of regions with specified labels in the labeled region adjacency graph.
- 84. (Previously Presented) The computer program product according to claim 80, wherein a stereotype is assigned to the digital image signal on the basis of the size of one or more regions with a specified label in the labeled region adjacency graph.
- 85. (Previously Presented) The computer program product according to claim 80, wherein a stereotype is assigned to the digital image signal on the basis of a label which represents a mean color of one or more regions in the labeled region adjacency graph.
- 86. (Previously Presented) The computer program product according to claim 80, wherein a stereotype is assigned to the digital image signal on the basis of a label which represents a mean color texture of one or more regions in the labeled region adjacency graph.
- 87. (Previously Presented) The computer program product according to claim 80, wherein the plurality of stereotypes are stored in an association lookup table.

- 88. (Previously Presented) The computer program product according to claim 80, wherein the stereotypes are represented in an hierarchical arrangement.
- 89. (Previously Presented) The computer program product according to claim 88, wherein each of the stereotypes has a hierarchical path.
- 90. (Previously Presented) The computer program product according to claim 80, wherein each of the stereotypes is represented by one of a plurality of icons.
- 91. (Previously Presented) The computer program product according to claim 80, wherein the digital image is retrievable from the one or more databases using a keyword representing a stereotype.
- 92. (Previously Presented) The computer program product according to claim 80, wherein the digital image is retrievable from the one or more databases using a icon representing a stereotype.
- 93. (Previously Presented) The computer program product according to claim 80, wherein the digital image is retrievable from the one or more databases using either a keyword or icon representing a generalization, or broader version, of a stereotype.

94. (Currently Amended) A method of classifying a digital image, said method comprising the steps of:

segmenting the digital image into substantially homogeneous regions;

processing the regions to provide a labeled region adjacency graph for the digital image, wherein the labeled region adjacency graph represents representing spatial adjacency between the regions of the digital image, and wherein at least one of the regions of the labeled region adjacency graph being is associated with one of a plurality of predetermined semantic labels;

providing a set of plural predetermined patterns of semantic labels, wherein each predetermined pattern of semantic labels corresponds to one of plural stereotypes based on a minimum size of the regions in the labeled adjacency graph, and wherein the plural stereotypes define a multi-level hierarchical structure with each of the stereotypes representing a different classification of a digital image;

analyzing the labeled region adjacency graph to identify one or more of the <a href="plural">plural</a> predetermined patterns of the semantic labels in the labeled region adjacency graph;

assigning corresponding ones o the plural stereotypes to the digital image in accordance with which of the plural predetermined patterns were identified in said analyzing step, one or more of a plurality of predetermined stereotypes to the digital image according to each identified predetermined pattern of the semantic labels in the labeled region adjacency graph, each identified predetermined pattern being based on a minimum size of the regions in the labeled region adjacency graph, the plurality of predetermined stereotypes being represented by a multi-level structure with each of the predetermined

stereotypes corresponding to at least one of the predetermined patterns such that the assigned stereotype represents a classification of the digital image; and

storing the one or more assigned stereotypes and the digital image in one or more databases of digital images together with one or more hierarchical paths, the one or more hierarchical paths being based on the multi-level hierarchical structure, wherein the digital image is retrievable from the one or more databases using a search for the one or more assigned stereotypes and hierarchical paths.

95. (Previously Presented) A method of classifying a digital image, said method comprising the steps of:

segmenting the image into substantially homogeneous regions;

processing, the regions to provide a labeled region adjacency graph for the digital image, the labeled region adjacency graph representing spatial adjacency between the regions of the image, at least one of the regions of the labeled region adjacency graph being associated with one of a plurality of predetermined semantic labels;

analyzing the labeled region adjacency graph to identify one or more predetermined patterns of the semantic labels in the labeled region adjacency graph; and assigning one or more of a plurality of predetermined stereotypes to the digital image according to each identified predetermined pattern of the semantic labels in the labeled region adjacency graph, each of the predetermined stereotypes corresponding to at least one of the predetermined patterns, such that each assigned stereotype represents a classification of the digital image, wherein the plurality of stereotypes are represented in a

multi-level hierarchical tree-structure such that the digital image is retrievable from one or more databases of digital images upon selection of at least one of the assigned stereotypes using the multi-level hierarchical tree-structure.

96. (Previously Presented) A method of classifying a digital image, said method comprising the steps of:

segmenting the image into substantially homogeneous regions;

processing the regions to provide a labeled region adjacency graph for the digital image, the labeled region adjacency graph representing spatial adjacency between the regions of the image, at least one of the regions of the labeled region adjacency graph being associated with one of a plurality of predetermined semantic labels;

analyzing the labeled region adjacency graph to identify one or more predetermined patterns of the semantic labels in the labeled region adjacency graph; and assigning one or more of a plurality of predetermined stereotypes to the digital image according to each identified predetermined pattern of the semantic labels in the labeled region adjacency graph, each of the predetermined stereotypes corresponding to at least one of the predetermined patterns such that each assigned stereotype represents a classification of the digital image, wherein the plurality of stereotypes have a hierarchical arrangement adapted for representation as a navigable stereotype tree such that the digital image is retrievable from one or more databases of digital images upon selection of at least one of the assigned stereotypes using the stereotype tree.

Please add Claim 97, as follows:

97. (New) A method of classifying a digital image, said method comprising the steps of:

determining an initial probability value for substantially each of a plurality of predetermined semantic labels, each of said initial probability values being set to a predetermined default value for each of said semantic labels;

adjusting said initial probability values for said semantic labels in a selected application domain for said digital image;

segmenting said digital image into a plurality of substantially homogeneous regions;

processing said plurality of regions to provide a region adjacency graph for the digital image, said region adjacency graph representing spatial adjacency between said plurality of regions of said digital image;

labeling each of said regions of said region adjacency graph with a corresponding one of a plurality of predetermined semantic labels to provide a labeled region adjacency graph comprising one or more labeled regions, said one semantic label being selected by multiplying an adjusted initial probability value for each semantic label with a conditional probability density value determined for said at least one region;

analyzing said label region adjacency graph to identify one of a plurality of predetermined patterns of labeled regions in said labeled region adjacency graph;

assigning one of a plurality of predetermined stereotypes to said labeled region adjacency graph according to said identified predetermined pattern, each of said plurality of predetermined patterns corresponding to one of said predetermined stereotypes such that the assigned stereotype describes the labeled regions of said digital image and represents at least one classification of said digital image; and

storing the assigned stereotype and said digital image in one or more databases of digital images, wherein said digital image is retrievable from said one or more databases using the assigned stereotype.